Name: .FormA

*Mr. Tiénou-Gustafson, Mr. Bielmeier*

Geometry, Period

Due Date: Thur, Nov 6, 2014

**Geometry**

**Homework**



**Failure to show work on all problems or use complete sentences will result in a LaSalle. *Round to hundredths!***

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| 1) What is the value of z in the picture below? | 2) Solve for x: |
| 3) Find the angle measure A: | 4) Solve for x: |
| 5) Solve for x: | 6) The area of a triangle is 120 ft.2. The base of the triangle is 10 ft. long. What is the height of the triangle? |
| 7) Find the measure of the indicated angle. | 8) Find the area of the figure below |
| 9) Find the measure of the indicated angle. | 10) The area of a triangle is 578 cm2. Its base is four time the length of its height. Find the height and base of the triangle. |
| Project: Hand write a rough draft of the following questions   * **Circles:** What appears to be the relationship of the diameter of any circle, regardless of size, to its perimeter? What formula can be derived from your observations?   + Take the average of the three values that you found for . If the Circumference of a circle (aka the perimeter) has a formula of , compare this formula to your findings. (is equal to 3.14159) * **Rectangles:** Is there a relationship between perimeter and area of a rectangle? If so, what is it? If not, what characteristic(s) product(s) the greatest area for a rectangle of any given perimeter?   + If all the rectangles have the same perimeter what causes them to have different areas? Pay close attention to the side lengths and reference them in your explanation. * **Triangle:** Is there a relationship between perimeter and area of a triangle? If so what is it? If not, what characteristic(s) product(s) the greatest area for a triangle of any given perimeter?   + If all the triangles have the same perimeter what causes them to have different areas? Pay close attention to which type of triangle has the greatest area and which type has the smallest, then reference them in your explanation. | |